Errata Changes to 2007 Kentucky Building Code

1. Table of Contents – under Chapter 1 Section 114 should be numbered 113, Section numbered 115 should be numbered 114.

2. Section 101.4.2 Gas. The reference for fuel gas systems should read International Fuel Gas Code

3. Section 303 Assembly Group A – A-2, A-3, A-4 need to include all of the listings

4. Section 307.1.2 should be numbered 307.1.1 and Section 307.1.3 should be numbered 307.1.2

5. Section 423.3 needs to be replaced with section numbered 423.2 (Just the Title not the entire section)

6. Section 507.2 should be numbered 507.3

7. Section 507.3 Exceptions #3, 3.1, 3.2, 3.3 need to be added

   6a. Section 507.3. Exception #3 item 3.3 modified by deleting reference to A-3 and adding A-2. (Updated April 2, 2008)

8. Section 901.2 should have additional code text within the section. The additional text was inadvertently deleted when the code was assembled.

9. Section 901.6.2 insert exception #3

10. Section 903.2.7.3 Exception should read Group R-4 instead of Group I-4

11. Section 903.3.1.1.1 needs to be inserted into code

12. Section 907.2.6.2 should make reference to Section 407.1 rather than 407.2

13. Section 910.2.3 should read “in accordance with 1016.2” instead of “in accordance with 1004.2.4.1”

14. Section 1012.3 corrected dimension for maximum cross section to read 2.625 inches.

15. Section 1013.1 Exceptions need to be renumbered #1-7

16. Section 1018 should be numbered Section 1019

17. Section 1025.13.1.1 Delete Reference Section 1008.11.1 replace with 1025.13.1

18. Section 1026.1.1 should be number 1026.1

19. Section 1026.1.1 Delete “Basements and” from sentence

20. Section 1405.10.4 needs to be inserted into code

21. Section 1605 Equations 16-20 should read $D+L+S+\alpha E$, Equation 16-21 should read $0.9D+\alpha E$, equation 16-21a should read $0.9D+\omega W)$

22. Table 1608.2 Missing McCreary County through Pendleton County in the table.

23. Section 1615.5.3 should be 1613.5.3, Explanation is for 1613.5.2 and not 1613.5.3 – Section 1613.5.3 needs the Equations as well as other equation descriptions

24. Insert Section 1805.2.1 entirely

25. Section Title 2705.1 should read Section 2705

26. Section 2802.2.2 should be Section 2801.4 with indent taken out

27. Section 2902 Minimum fixture requirements should be Section 2902.1 Minimum fixture requirements

28. Section 3002.8 should read Section 3002.9

29. Table 3109.10 – Insert "Table 3109.10(1)" above title on first table

30. Add: Subterranean Spaces…….202, 405.1, 423.3 to the Referenced Standards under NFPA 520-99

31. Add: All Ch. 35 Referenced Standards Including A90.1-02, B16.18-2001, B16.22-2001, B20.1-1996, B31.3-2002

ACKNOWLEDGEMENTS

The Commonwealth of Kentucky gratefully acknowledges the contribution of time, expertise and diligent effort generously given by members of the Kentucky Board of Housing, Buildings and Construction in the continuing development of the *Kentucky Building Code.* Current Board members are as follows:

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CHAPTER 1
ADMINISTRATION

SECTION 101
GENERAL

SECTION 104
JURISDICTION FOR PLAN REVIEW AND INSPECTION

104.1 Local jurisdiction. The local code official, having minimum Kentucky Building Inspector Certification of Level I, shall be responsible for the examination and approval of plans and specifications and the inspections necessary to determine compliance for buildings as listed in this section. The determination of jurisdiction shall be based upon occupant load calculations in accordance with Section 1004 of this code.

CHAPTER 3
USE AND OCCUPANCY CLASSIFICATION

The following use and occupancy classifications are added or replaced in Chapter 3 of the International Building Code:

SECTION 303
ASSEMBLY GROUP A

A-2 Assembly uses intended for food and/or drink consumption including, but not limited to:

- Banquet halls
- Dance halls
- Night clubs
- Restaurant
- Taverns and bars

A-3 Assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A, including, but not limited to:

- Amusement arcades
- Art galleries
- Auction houses
- Auditoriums
- Bowling alleys
- Churches including fellowship halls, religious education classrooms, recreation and family life centers
- Community halls
- Courtrooms
- Dance halls not including food or drink consumption
- Exhibition halls
- Fitness clubs
- Funeral parlors
- Gymnasiums without spectator seating
- Gymnastic centers without spectator seating
- Health clubs
- Indoor swimming pools without spectator seating
- Indoor tennis courts without spectator seating
- Lecture halls
- Libraries
- Museums
- Passenger Stations (waiting areas)
- Places of religious worship, including fellowship halls, religious education classrooms, recreation and family life centers
- Pool and billiard parlors

A-4 Assembly uses intended for viewing of indoor sporting events and activities with spectator seating, including, but not limited to:

- Arenas
- Gymnasiums
- Skating rinks
- Swimming pools
- Tennis courts

423.2 Referenced standards. Developed subterranean spaces shall comply with the requirements of this section and NFPA 520 as referenced in Chapter 35. Where NFPA 520 references other NFPA standards, those standards shall not be applicable unless specifically referenced in this code.

CHAPTER 5
GENERAL BUILDING HEIGHTS AND AREAS

SECTION 507
UNLIMITED AREA BUILDINGS

507.3 Sprinkled, one story. The area of a one-story, Group B, F, M or S building or a one-story Group A-4 building, of other than Type V construction, shall not be limited when the building is provided with an automatic sprinkler system throughout in accordance with Section 903.3.1.1 and is surrounded and adjoined by public ways or yards not less than 60 feet (18288) in width.

Exceptions:

3. Group A-1 and A-3 occupancies of other than Type V construction shall be permitted, provided:

    3.1 All assembly occupancies are separated from other spaces as required for separated uses in Section 508.3.3.4 with no reduction allowed in the fire-resistance rating of the separation based upon the installation of an automatic sprinkler system;
    3.2 Each Group A occupancy shall not exceed the maximum allowable area permitted in Section 503.1; and
    3.3 All required exits shall discharge directly to the exterior.

SECTION 508
MIXED USE AND OCCUPANCY

508.3.1.1 Occupancy classification. Accessory occupancies shall be individually classified in accordance with Section 302.1. Code requirements shall apply to each portion of the building based on the occupancy classification of that accessory space.

CHAPTER 9
FIRE PROTECTION SYSTEMS

The following fire protection system areas are added or replaced in Chapter 9 of the International Building Code:

SECTION 901
GENERAL

901.6.2 Fire alarm systems. Fire alarm systems shall be monitored by an approved supervising station.

Exceptions:

1. Single and multiple-station smoke alarms required by Section 907.2.10.
2. Smoke detectors in Group I-3 occupancies.
3. Supervisory service is not required for automatic sprinkler systems in one- and two-family dwellings.
4. Day care centers with 100 or less clients.
5. Churches or other similar religious facilities.

903.2.7.3 Group R-4. An automatic sprinkler system shall be provided throughout all buildings with a Group R-4 fire area with more than eight occupants.

Exception: An automatic sprinkler system installed in accordance with 903.3.1.2 or 903.3.1.3 shall be allowed in Group R-4 facilities.

903.3.1.1.1 Exempt Locations. Automatic sprinklers shall not be required in the following rooms or areas where such rooms or areas are protected with an approved automatic fire detection system in accordance with 907.2 that will respond to visible or invisible particles of combustion. Sprinklers shall not be omitted from any room merely because it is damp, of fire-resistance-rated construction or contains electrical equipment.

1. Any room where the application of water, or flame and water, constitutes a serious life or fire hazard.
2. Any room or space where sprinklers are considered undesirable because of the nature of the contents, when approved by the building official.
3. Generator and transformer rooms separated from the remainder of the building by walls and floor/ceiling assemblies having a fire-resistance rating of not less than 2 hours.
4. In rooms or areas that are of noncombustible construction with wholly noncombustible contents.
5. Spaces or areas in telecommunications buildings used exclusively for telecommunications equipment, associated electrical power distribution equipment, batteries and standby engines, provided those spaces or areas are equipped throughout with an automatic fire alarm system and are separated from the remainder of the building by a wall with a fire-resistance rating of not less than 1 hour and a floor/ceiling assembly with a fire resistance rating of not less than 2 hours.
6. In elevator machine rooms fully enclosed with 2-hour fire-resistance-rated construction and where signs are posted on the entry door and within the room to prohibit storage of any king.

907.2.6.2 Group I-2. Corridors in nursing homes (both intermediate care and skilled nursing facilities), detoxification facilities and permitted to be open to the corridors by section 407.1 shall be equipped with an automatic fire detection system. Hospitals shall be equipped with smoke detection as required in section 407.1.

SECTION 910
SMOKE AND HEAT VENTS

910.2 Where required. Approved smoke and heat vents shall be installed in the roofs of one-story buildings or portions thereof occupied for the uses set forth in 910.2.1 through 910.2.3.

910.2.3 Exit access travel distance increase. Buildings and portions thereof used as Group F-1 or S-1 occupancy where the maximum exit access travel distance is increased in accordance with 1016.2.

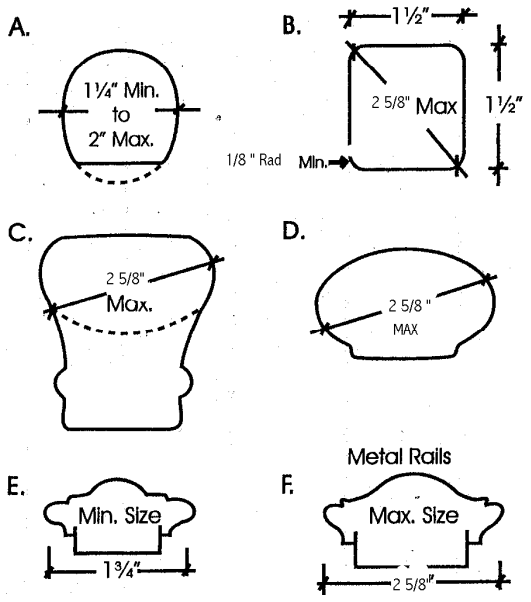
CHAPTER 10
MEANS OF EGRESS

SECTION 1012
HARDRAILS

1012.3 Handrail graspability. Handrails with a circular cross section shall have an outside diameter of at least 1.25 inches (32 mm) and not greater than 2 inches (51 mm) or shall provide equivalent graspability as detailed by Figure 1012.3. If the handrail is not circular, it shall have a perimeter dimension of at least 4 inches (102 mm) and not greater than 6.25 inches (159 mm) with a maximum cross-section dimension of 2.625 inches (57 mm). Edges shall have a minimum radius of 0.125 inch (3.2 mm).

Figure 1012.3

HANDRAIL PROFILES



1013.1 Where required. Guards shall be located along open-sided walking surfaces, mezzanines, industrial equipment platforms, stairways, ramps and landings that are located more than 30 inches (762 mm) above the floor or grade below. Guards shall be adequate in strength and attachment in accordance with Section 1607.7. Where glass is used to provide a guard or as a portion of the guard system, the guard shall also comply with Section 2407. Guards shall also be located along glazed sides of stairways, ramps and landings that are located more than 30 inches (792 mm) above the floor or grade below where the glazing provided does not meet the strength and attachment requirements in Section 1607.7.

1013.1 Where Required.

Exceptions:

1. On the loading side of loading docks or piers.
2. On the audience side of stages and raised platforms, including steps leading up to the stage raised platforms.
3. On raised stage and platform floor areas such as runways, ramps, altar platforms for religious purposes and side stages used for entertainment or presentations.
4. At vertical openings in the performance area of stages and platforms.
5. At elevated walking surfaces appurtenant to stages and platforms for access to and utilization of special lighting or equipment.
6. Along vehicle service pits not accessible to the public.
7. In assembly seating where guards in accordance with Section 1025.14 are permitted and provided.

SECTION 1019
EXITS

Amend the following table to create an additional note (f).

Table 1019.2 Buildings with One Exit.

OCCUPANCY	MAXIMUM HEIGHT OF BUILDING AVOVE GRADE PLANE	MAXIMUM OCCUPANTS (OR DWELLING UNITS) PER FLOOR AND TRAVEL DISTANCE
A, B[d], E[e], F, M, U	1 Story	49 occupants and 75 feet travel distance
H-2, H-3	1 Story	3 occupants and 25 feet travel distance
H-4, H-5, I, R	1 Story	10 occupants and 75 feet travel distance
S[a]	1 Story	29 occupants and 100 feet travel distance
B[d], F, M, S[a]	2 Stories	30 occupants and 75 feet travel distance
R-2[f]	2 Stories[C]	4 dwelling units and 50 feet travel distance

a. For the required number of exits for open parking structures, see Section 1019.1.1.
b. For the required number of exits for air traffic control tower, see Section 412.1.
c. Buildings classified as Group R-2 equipped throughout with an automatic sprinkler system in

accordance with Section 903.3.1.1 of 903.3.1.2 and provided with emergency escape and rescue openings in accordance with Section 1026 shall have a maximum height of three stories above grade plane.

d. Buildings equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 with an occupancy in Group B shall have a maximum travel distance of 100 feet.
e. Day care maximum occupant load is 10.
f. The number of dwelling units that share a single exit may exceed 4 per floor where each 4 dwelling units sharing a single exit are separated from other groups of 4 dwelling units sharing a single exit by not less than a 2-hour fire barrier wall constructed in accordance with Section 706 of this code. A 2-hour fire wall is not required unless it is needed to reduce building areas to within the limits of Table 503 for the type of construction.

1025.13.1.1 Handrail extensions. Within aisle stairs, the horizontal extension is not required beyond the bottom or top riser, provided the handrail begins at the first riser and is continuous, except where gaps or breaks are permitted in Section 1025.13.1 to the top row of seats.

SECTION 1026
EMERGENCY ESCAPE AND RESCUE

1026.1 General. In addition to the means of egress required by this chapter, provisions shall be made for emergency escape and rescue in Group R and I-1 occupancies. Sleeping rooms below the fourth story above grade plane shall have at least one exterior emergency escape and rescue opening in accordance with this section. Where basements contain one or more sleeping rooms, emergency egress and rescue openings shall be required in each sleeping room, but shall not be required in adjoining areas of the basement. Such openings shall open directly into a public way or to a yard or court that opens to a public way.

SECTION 1405
INSTALLATION OF WALL COVERINGS

1405.10.4 Grounding. Grounding of metal veneers on buildings shall comply with the requirements of Chapter 27 of this code or the National Electrical Code.

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Revise Equation 16-20 as follows:

$D+L+S+ aE$ **(Formula 16-20)**

***Revise Equation 16-21 as follows**:*

$0.9D+ aE$ **(Formula 16-21)**

***Add Equation 16-21a as follows**:*

$0.9D+ \omega W$ **(Formula 16-21a)**

Add the following new Table for applicable loading determination:

TABLE 1608.2
DESIGN ENVIRONMENTAL LOADS FOR KENTUCKY COUNTIES

COUNTY	GROUND SNOW LOAD, p_g (psf)[a]	ICE LOADS		SPECTRAL RESPONSE ACCELERATION COEFFICIENTS (percent)[i]			
		NOMINAL ICE THICKNESS, t (in)[b]	CONCURRENT WIND SPEED, V_c, (MPH)[c]	S_S[d]	$S_{S,0}$[e]	S_1[d]	$S_{1,0}$[e]
Adair	15	0.75	30	24.3	22.9	10.5	9.9
Allen	15	0.75	30	42.6	32.3	15.2	12.8
Anderson	15	0.75	30	21.9	21.7	9.5	9.0
Ballard	15	1.00	30	337.7	187.3	129.5	60.0
Barren	15	0.75	30	30.0	25.7	12.1	10.9
Bath	15	0.75	30	25.4	24.3	8.4	8.1
Bell	15[g]	0.50[h]	30	42.3	33.1	10.7	9.7
Boone	20	0.75	40	26.0	17.6	9.8	7.7
Bourbon	15	0.75	30	24.9	22.7	8.5	8.5
Boyd	20	0.75	30	20.5	19.2	7.4	7.1
Boyle	15	0.75	30	22.1	22.0	9.6	9.1
Bracken	20	0.75	30	22.5	19.7	7.9	7.7
Breathitt	15	0.75	30	26.5	23.7	8.9	8.2
Breckenridge	15	0.75	30	39.4	30.1	14.0	11.8
Bullitt	15	0.75	30	27.1	22.6	10.9	9.7
Butler	15	0.75	30	46.0	33.8	15.8	13.0
Caldwell	15	0.75	30	95.7	74.1	26.2	22.0
Calloway	15	1.00	30	121.8	81.9	33.0	23.2
Campbell	20	0.75	40	19.4	17.8	7.8	7.5
Carlisle	15	1.00	30	326.0	150.0	95.5	49.9
Carroll	20	0.75	30	20.4	19.3	8.9	8.4
Carter	20	0.75	30	23.2	20.1	7.8	7.3
Casey	15	0.75	30	22.7	21.9	9.7	9.3
Christian	15	0.75	30	76.2	53.7	22.4	17.6
Clark	15	0.75	30	25.0	23.4	8.8	8.6
Clay	15	0.75	30	33.7	25.8	9.7	9.0
Clinton	15	0.75	30	24.6	23.8	10.3	10.0
Crittenden	15	1.00	30	108.4	79.2	29.5	22.9
Cumberland	15	0.75	30	24.9	23.5	10.7	10.1
Daviess	15	0.75	30	61.5	43.1	18.7	14.8
Edmonson	15	0.75	30	35.4	29.0	13.3	11.8
Elliott	15	0.75	30	23.2	21.2	7.9	7.5
Estill	15	0.75	30	24.6	24.6	8.6	8.5
Fayette	15	0.75	30	23.9	23.3	8.7	8.6
Fleming	15	0.75	30	25.0	23.1	8.2	7.8
Floyd	20	0.50[h]	30	27.4	22.5	8.6	7.9
Franklin	15	0.75	30	21.5	21.0	9.1	8.7
Fulton	15	1.00	30	335.1	138.2	129.1	36.8
Gallatin	20	0.75	30	19.7	18.7	8.4	8.1
Garrard	15	0.75	30	23.0	22.1	9.0	9.0
Grant	20	0.75	30	21.3	19.1	8.3	8.0
Graves	15	1.00	30	182.5	104.2	60.0	28.0
Grayson	15	0.75	30	39.7	28.6	14.3	11.6
Green	15	0.75	30	25.2	23.2	10.8	10.1
Greenup	20	0.75	30	21.1	18.6	7.4	6.9
Hancock	15	0.75	30	47.0	38.5	15.5	13.7
Hardin	15	0.75	30	32.0	24.8	12.4	10.5
Harlan	20[f]	0.50[h]	30	40.9	31.7	10.4	9.4
Harrison	15	0.75	30	23.4	21.2	8.4	8.1

COUNTY	GROUND SNOW LOAD, p_g (psf)[a]	ICE LOADS		SPECTRAL RESPONSE ACCELERATION COEFFICIENTS (percent)[i]			
		NOMINAL ICE THICKNESS, t (in)[b]	CONCURRENT WIND SPEED, V_c, (MPH)[c]	S_S[d]	$S_{S,0}$[e]	S_1[d]	$S_{1,0}$[e]
Hart	15	0.75	30	30.4	24.8	12.1	10.6
Henderson	15	0.75	30	79.7	56.3	22.4	17.5
Henry	20	0.75	30	21.4	20.0	9.2	8.6
Hickman	15	1.00	30	251.3	135.2	64.5	36.1
Hopkins	15	0.75	30	81.8	57.7	23.4	18.2
Jackson	15	0.75	30	26.2	23.6	9.1	8.9
Jefferson	15	0.75	30	27.2	22.2	11.0	9.6
Jessamine	15	0.75	30	22.7	22.2	8.9	8.9
Johnson	15	0.75	30	23.1	21.8	8.0	7.7
Kenton	20	0.75	40	22.6	19.3	8.8	7.9
Knott	20	0.50[h]	30	28.7	24.5	8.9	8.4
Knox	15	0.75	30	37.5	29.3	10.3	9.5
Larue	15	0.75	30	27.1	23.5	11.2	10.2
Laurel	15	0.75	30	29.8	24.5	9.6	9.1
Lawrence	15	0.75	30	27.9	21.7	8.7	7.7
Lee	15	0.75	30	25.0	24.6	8.7	8.5
Leslie	20	0.50[h]	30	35.2	26.8	9.8	8.9
Letcher	20[f]	0.50[h]	30	33.1	27.5	9.5	8.7
Lewis	20	0.75	30	23.7	19.2	7.9	7.0
Lincoln	15	0.75	30	23.1	22.8	9.5	9.2
Livingston	15	1.00	30	150.0	103.0	43.9	28.0
Logan	15	0.75	30	48.5	36.7	16.4	13.9
Lyon	15	1.00	30	107.3	82.9	29.2	23.6
McCracken	15	1.00	30	281.3	138.3	87.5	37.3
McCreary	15	0.75	30	34.1	25.7	10.3	9.7
McLean	15	0.75	30	65.7	49.3	19.7	16.3
Madison	15	0.75	30	23.8	23.2	8.8	8.8
Magoffin	15	0.75	30	24.8	22.5	8.4	7.9
Marion	15	0.75	30	23.8	22.2	10.3	9.7
Marshall	15	1.00	30	140.5	92.6	37.9	25.4
Martin	20	0.50[h]	30	23.8	22.2	10.3	9.7
Mason	20	0.75	30	23.9	20.8	8.0	7.6
Meade	15	0.75	30	34.6	27.7	12.7	11.1
Menifee	15	0.75	30	25.3	24.2	8.4	8.1
Mercer	15	0.75	30	22.1	21.9	9.5	9.0
Metcalfe	15	0.75	30	25.9	24.1	11.0	10.4
Monroe	15	0.75	30	27.7	24.6	11.5	10.5
Montgomery	15	0.75	30	25.4	24.9	8.6	8.4
Morgan	15	0.75	30	23.8	22.1	8.3	7.8
Muhlenberg	15	0.75	30	61.6	44.5	19.2	15.5
Nelson	15	0.75	30	25.4	21.9	10.6	9.5
Nicholas	15	0.75	30	25.3	23.3	8.4	8.2
Ohio	15	0.75	30	52.3	37.5	17.1	13.7
Oldham	15	0.75	30	23.3	21.1	9.9	9.1
Owen	20	0.75	30	21.2	19.4	8.4	8.2
Owsley	15	0.75	30	27.4	24.5	9.0	8.8
Pendleton	20	0.75	30	21.9	19.3	8.0	7.6
Perry	20	0.50[h]	30	32.1	25.3	9.4	8.6
Pike	20[f]	0.75[h]	30	27.7	23.3	8.7	8.0
Powell	15	0.75	30	25.0	24.6	8.6	8.5
Pulaski	15	0.75	30	26.6	23.2	9.7	9.6
Robertson	15	0.75	30	24.1	22.0	8.2	7.9
Rockcastle	15	0.75	30	25.1	22.8	9.4	9.1
Rowan	15	0.75	30	25.1	23.2	8.2	7.8
Russell	15	0.75	30	23.6	22.9	9.9	9.7

COUNTY	GROUND SNOW LOAD, p_g (psf)[a]	ICE LOADS		SPECTRAL RESPONSE ACCELERATION COEFFICIENTS (percent)[i]			
		NOMINAL ICE THICKNESS, t (in)[b]	CONCURRENT WIND SPEED, V_c, (MPH)[c]	S_S[d]	$S_{S,0}$[e]	S_1[d]	$S_{1,0}$[e]
Scott	15	0.75	30	23.2	21.1	8.6	8.3
Shelby	15	0.75	30	22.5	21.1	9.6	8.9
Simpson	15	0.75	30	38.2	32.3	14.3	12.8
Spencer	15	0.75	30	23.4	21.8	10.0	9.3
Taylor	15	0.75	30	24.3	22.7	10.5	9.9
Todd	15	0.75	30	55.7	45.3	18.0	15.8
Trigg	15	0.75	30	98.9	69.4	26.9	20.9
Trimble	20	0.75	30	21.4	20.2	9.3	8.8
Union	15	1.00	30	91.2	75.1	25.1	21.8
Warren	15	0.75	30	38.5	29.6	14.3	12.0
Washington	15	0.75	30	22.9	21.9	10.0	9.5
Wayne	15	0.75	30	26.6	23.5	10.0	9.8
Webster	15	0.75	30	85.1	60.6	24.0	18.7
Whitley	15	0.75	30	39.3	27.2	10.5	9.6
Wolfe	15	0.75	30	24.5	24.4	8.5	8.3
Woodford	15	0.75	30	22.3	21.9	8.8	8.8

1613.5.3 Site coefficients and adjusted maximum considered earthquake spectral response acceleration parameters. The maximum considered earthquake spectoral response acceleration for short periods, S_{ms}, and at 1-second period, S_{m1}, adjusted for site class effects shall be determined by Equations 16-37 and 16-38, respectively: For Occupancy Categories I and II, S_s need not exceed 1.5 (150%) and S_1 need not exceed 0.6 for irregular structures.

$S_{ms} = F_a S_s$ (Equation 16-37)

$S_{m1} = F_v S_1$ (Equation 16-38)

Where:
F_a = Site coefficient defined in Table 1613.5.3(1)
F_v = Site coefficient defined in Table 1613.5.3(2)
S_s = The mapped spectral accelerations for short periods as determined in Section 1613.5.1
S_1 = The mapped spectral accelerations for a 1-second period as determined in Section 1613.5.1.

CHAPTER 18
SOILS AND FOUNDATIONS

SECTION 1801
GENERAL

1801.1.1 Certificate of compliance. Design compliance with the provisions of this chapter and Chapter 16 shall be satisfied when certification of an architect or engineer registered in Kentucky to that affect is placed on the drawings submitted to the code official, unless the code official shall notify the designer that a specific code violation exists.

SECTION 1805
FOOTINGS AND FOUNDATIONS

1805.2.1 Frost protection. Except where otherwise protected from frost, foundation walls, piers and other permanent supports of building and structures shall be protected by one or more of the following methods:

1. Extending below the frost line as identified in Table 1805.2.1.
2. Constructing in accordance with ASCE 32; or
3. Erecting on solid rock.

Exception: Free-standing buildings meeting all of the following conditions shall not be required to be protected:

1. Classified in Occupancy Category 1, in accordance with Section 1604.4;
2. Area of 600 square feet (56 m2) or less for light-frame construction or 400 square feet (37 m2) or less for other than light-frame construction; or
3. Eave height of 10 feet (3048) or less.

2801.4 Design of mechanical systems. The code official shall allow the use of the actual occupant load in lieu of Table 1004.1.1 in the design of mechanical ventilating systems. This applies to the mechanical code and ASHRAE 62 Standard listed in Chapter 35 of this code."

CHAPTER 29
PLUMBING SYSTEMS

SECTION 2902
MINIMUM PLUMBING FACILITIES

2902.1 Minimum Fixture Requirements. In a building accommodating males and females, it shall be presumed that the occupants will be equally divided between males and females, unless otherwise denoted. Each building shall have the minimum fixture requirements established by 815 KAR 20:191.

SECTION 3002
HOISTWAY ENCLOSURES

3002.9 Access to hoistway machinery spaces. Where a governor is located in the top of a single hoistway, a permanent, fixed, noncombustible, vertical ladder shall be provided for access from building floors to the hoistway machinery spaces containing governors. The access ladder shall be located on the outside of the hoistway. Where complete bodily entry is not necessary for maintenance, testing, and inspection of components, the access openings in elevator hoistway enclosures shall be of adequate size and located to permit the required maintenance, testing, inspection, and shall have a minimum clear opening width and height of 2 feet (610 mm) and be provided with doors which shall be kept closed and locked. Keys to unlock the access doors to governors located in the top of the hoistways shall be kept on the premises in a location readily accessible to authorized personnel, but inaccessible to the general public.

CHAPTER 35
REFERENCED STANDARDS

ASME

American Society of Mechanical Engineers
Three Park Avenue
New York, NY

Standard Reference Number	Title	Referenced in code section number
A17.1-04	Safety Code for Elevators and Escalators In its entirety with the exception of rules	2.2.4.3, 2.19.2, 2.19.3.2(A)(3), 2.26.2.33, 2.27.3.2.6, 2.27.3.3.7, 3.17.3, 3.26.10, 6.1.3.3.9, and .6.5.8.B,1007.4, 1607.8.1, 3001.4, 3002.5, 3002.8.1, 3003.2, 3009.2, 3009.2.1, 3009.2.2, 3009.2.3, 3011.3, 3409.8.2
A17.2.2-98	Inspectors Manual for Hydraulic Elevators	3001.2
A17.2.3-00	Inspectors Manual for Escalators and Moving Walks	3001.2, 3003.2,3009.2, 3009.2.1, 3009.2.2
A17.3-02	Safety Code for Existing Elevators and Escalators	3001.2
A17.4-99	Guide for Emergency Personnel	3001.2
A17.5-96	Elevator and Escalator Electrical Equipment	3001.2
A18.1-03	Safety Standard for Platform Lifts and Stairway Chairlifts in its entirety with the exception of rules 5.7.1 and 10.1.2.1	1109.7, 2702.6, 3001.2, 3010.1, 3409.8.3
A112.18.19.8M-1987	Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathing Appliances	3109.5.1
A112.19.17-2002	Manufactured Safety Vacuum Release Systems (SVRS) for Residential and Commercial Swimming Pool, Spa, Hot Tub and Wading Pool	3109.5.2
B16.18-2001	Cast Copper Alloy Solder Joint Pressure Fittings	909.13.1
B16.22-2001	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	909.13.1
B20.1-96	Safety Standards for Conveyors and related Equipment	3001.2, 3005.3
B31.3-2002	Process Piping	415.8.6.1

NFPA

National Fire Protection Association
1 Batterymarch Park
Quincy MA 02269-9101

Standard Reference Number	Title	Referenced in code section number
11-02	Low Expansion Foam	904.7
12-00	Carbon Dioxide Extinguishing Systems	904.8,904.11
12A-04	Halon 1301 Fire Extinguishing Systems	904.9
13-02	Installation of Sprinkler Systems	707.2, 903.3.1.1, 903.3.2, 903.3.5.1.1, 903.3.5.2, 904.11, 905.3.4, 907.8, 3104.5, 3104.9
13D-02	Installation of Sprinkler Systems in One- and Two-family Dwellings and Manufactured Homes	903.3.1.3, 903.3.5.1.1
13R-02	Installation of Sprinkler Systems in Residential Occupancies Up to and Including Four Stories in Height	903.3.1.2, 903.3.5.1.1, 903.3.5.1.2, 903.4
14-03	Installation of Standpipe and Hose Systems	905.2, 905.3.4, 905.4.2, 905.8
16-03	Installation Foam-water Sprinkler and Foam-water Spray Systems	904.7, 904.11

17-02	Dry Chemical Extinguishing Systems……..……904.6, 904.11
17A.02	Wet Chemical Extinguishing Systems……..……904.5, 904.11
24-02	Installation of Private Fire Service Mains and Their Appurtenances……..…….. 913.1, 913.2
30-03	Flammable and Combustible Liquids Code……..…….415.3
31.01	Installation of Oil-burning Equipment……..2113.15
32-00	Dry Cleaning Plants……..…….415.6.4
40-01	Storage and Handling of Cellulose Nitrate Film……..….409.1
54-06	National Fuel Gas Code…….…… …. …. ……...……..415.6.3
58-04	Liquefied Petroleum Gas Code…….. ...……..…… …. ….. ……..……415.6.3
61.99	Prevention of Fires and Dust Explosions in Agriculture and Food Product Facilities…….……415.6.1
70-05	National Electric Code……...…….101.4.1, 107.3, 414.5.4, 415.8.2.8.1, 904.3.1, 907.5, 909.11, 909.12.1, 909.16.3, 1205.4.1, 1405.10.4, 2701.1, 3401.3
72-02	National Fire Alarm Code…….901.6, 903.4.1, 904.3.5, 907.2, 907.2.1.1 907.2.10, 907.2.10.4, 907.2.11.2, 907.2.11.3, 907.2.12.2.3, 907.2.12.3, 907.4, 907.5, 907.9.2, 907.10, 907.14, 907.16, 907.17, 911.1, 3006.5
80-99	Fire Doors and Fire Windows……508.2.2.1, 715.4, 715.4.5, 715.4.6.1, 715.4.7.2, 715.5, 1008.1.3.3
85-04	Boiler and Combustion System Hazards Code……..415.6.1 (Note: NFPA 8503 has been incorporated into NFPA 85)
90A-99	Installation of Air-Conditioning and Ventilating Systems ……...……..1203.6
90B-99	Installation of Warm Air Heating and Air-Conditioning Systems …..……...1203.6
92B-05	Smoke Management Systems in Malls, Atria and Large Spaces…….…….909.8
101-00	Life Safety Code…….……..…...…….....115.1, 115.2, 407.1, 1025.6.2
105-03	Standard for the Installation of Smoke Door Assemblies……..405.4.2, 715.4.3.1, 909.20.4.1
110-02	Emergency and Standby Power Systems…….2702.1
111-01	Stored Electrical Enery Emergency and Standby Power Systems……..……2702.1
120-99	Coal Preparation Plants…….……416.6.1
211-03	Chimneys, Fireplaces, Vents and Solid Fuel-burning Appliances……..…2112.5
230-03	Standard for the Fire Protection of Storage……..507.3
252-03	Standard Methods of Fire Tests of Door Assemblies…….715.3, 715.4.1, 715.4.2, 715.4.3, 715.4.4.1
253-00	Test for Critical Radiant Flux of Floor Covering Systems Using a Radian Heat Energy Source……..……402.11.1, 406.6.4, 421.7.1, 804.2, 804.3
257-00	Standard for Fire Test for Window and Glass Block Assemblies……715.3, 715.4.3.2, 715.5, 715.5.1, 715.5.2, 715.5.8.1
259-04	Test Method for Potential Heat of Building Materials……..……2603.4.1.10, 2603.5.3
265-02	Method of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings on Full Height Panels and Walls…….……..….803.6.2, 803.6.2.1
268-01	Standard Test Method for Determining Ignitibility of Exterior Wall Assemblies Using a Radiant Heat Energy Source……..…1406.2.1, 1406.2.1.1, 1406.2.1.2, 2603.5.7
285-98	Standard Method of Test for the Evaluation of Flammability Characteristics of Exterior Nonload-bearing Wall Assemblies Containing Combustible Components……...1407.10.4, 2603.5.5
286-00	Standard Method of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth……..…….402.15.4, 803.2, 803.2.1, 803.5, 803.6.3, 2603.4, 2603.9
288-01	Standard Methods of Fire Tests of Floor Fire Door Assemblies in Fire-resistance-rated Floor Systems…….711.8, 712.4.1.5

303-00	Fire Protection Standards for Marinas and Boatyards	905.3.7
409-01	Aircraft Hangars	412.2.6, 412.4.5
418-01	Standard for Heliports	412.5.5
651-98	Machining and Finishing of Aluminum and the Production and Handling of Aluminum Powders	415.6.1
654-00	Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids	415.6.1
655-01	Prevention of Sulfur Fires and Explosions	415.6.1
664.02	Prevention of Fires Explosions in Wood Processing and Woodworking Facilities	415.6.1
701.99	Standard Methods of Fire Tests for Flame-propagation of Textiles and Films	402.11.1, 410.3.6, 801.1.2, 806.1, 806.1.2, 806.2, 3102.3, 3102.3.1, 3102.6.1.1, 3105.4
704.01	Standard System for the Identification of the Hazards of Materials for Emergency Response	414.7.2, 415.2
484-02	Combustible Metals, Metal Powders, and Metal Dusts	415.6.1
520-99	Subterranean Spaces	202, 405.1, 423.3
1124-03	Manufacture, Transportation, and Storage of Fireworks and Pyrotechnic Articles	415.3.1
2001-04	Clean Agent Fire Extinguishing Systems	904.10